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**From:** Lazos, Pamela [Lazos.Pamela@epa.gov]  
**Sent:** 3/23/2020 9:17:59 PM  
**To:** Maslowski, Steven [Maslowski.Steven@epa.gov]  
**Subject:** FW: CRW System Rehabilitation Costs - Updated Spreadsheets  
**Attachments:** (Doc 08) 2019 Sewer Replacement Project - project and unit costs - 30 in PVC.xlsx; (Doc 08) 2019 Sewer Replacement Project - project and unit costs - 12 in PVC AND 12 in RCP.xlsx; (Doc 08) 2019 Sewer Replacement Project - project and unit costs - 12 in PVC ONLY.xlsx; (Doc 13) Asylum Run Interceptor Rehab - project and unit costs - 24 in CIPP.xlsx; (Doc 13) Asylum Run Interceptor Rehab - project and unit costs - 24 in PVC.xlsx

Didn't read this yet, but sending it along. Let's talk tomorrow. Also have to still look at the CD from your other message.  
Thanks,  
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**From:** Andes, Fredric <Fredric.Andes@btlaw.com>  
**Sent:** Monday, March 23, 2020 5:12 PM  
**To:** Lazos, Pamela <Lazos.Pamela@epa.gov>; Nanda, Sushila <Nanda.Sushila@epa.gov>; Williams, Janna <jannwillia@pa.gov>; Herb, Dawn <dherb@pa.gov>  
**Subject:** FW: CRW System Rehabilitation Costs - Updated Spreadsheets

Good afternoon. Following up on the CRW/EPA/DEP technical call of late last week, Dave Stewart has sent the note below, with attachments, to EPA and DEP staff. We'll look forward to hearing back. If this information resolves the cost questions that have been raised, then we'd like to discuss whether there are any other questions that remain to be resolved concerning CRW's LTCP. If not, then we should start talking about how we can determine the appropriate path forward to implement that plan. Feel free to call if you'd like to discuss – thanks.

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**From:** David Stewart  
**Sent:** Monday, March 23, 2020 4:43 PM  
**To:** Maslowski, Steven ([Maslowski.Steven@epa.gov](mailto:Maslowski.Steven@epa.gov)) <[Maslowski.Steven@epa.gov](mailto:Maslowski.Steven@epa.gov)>  
**Cc:** [vlandis@pa.gov](mailto:vlandis@pa.gov); Bebenek, Maria ([mbebenek@pa.gov](mailto:mbebenek@pa.gov)) <[mbebenek@pa.gov](mailto:mbebenek@pa.gov)>  
**Subject:** CRW System Rehabilitation Costs - Updated Spreadsheets

Steve, (Victor & Maria),

I hope you are all safe and well. Thanks for participating in the conference call last Thursday. It helped us better understand what was unclear in our documentation.

As discussed, we added clarifying language to the spreadsheets we previously provided to “walk through” our method of converting contractors’ bid form pricing to cost-per-linear-foot-of-pipe-installed. We understood that the pipe costs that Tom Rowlett requested were:

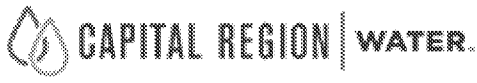
- 12-inch SDR 35 PVC pipe - CRW's 2019 Sewer Rehab Project (Document 8)
- 30-inch SDR 35 PVC pipe - CRW's 2019 Sewer Rehab Project (Document 8) – two spreadsheets provided, as there was also 30-inch RCP installed on the project
- 24-inch SDR 35 PVC pipe - CRW's Asylum Run Interceptor Project (Document 13)
- 24-inch CIPP - CRW's Asylum Run Interceptor Project (Document 13)

I also told you that we'd provide the Engineer's estimate for CRW's 2020 Sewer Rehabilitation construction package (currently out to bid). As with the previous cost spreadsheets, it's formatted for public bidding rather than pipe unit cost basis. Jeff Bowra is converting that spreadsheet like the others, and I'll send that to you also, likely tomorrow.

Please review and let us know if you still have questions or comments, and we'll try to clarify further as necessary.

Take care,  
Dave

**Dave Stewart, P.E., BCEE** | Director of Engineering  
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